

AMENDMENTS TO THE SPECIFICATION

Please revise paragraph [0045] as follows:

~~Figure 6 shows~~Figures 6A – 6F show steps (I) to (IV) for transforming plants using the system for transforming plants of the embodiment shown in Figure 5 according to the in planta method.

Please revise paragraph [0049] as follows:

~~Figure 10 shows~~Figures 10A and 10B respectively show caps equipped with a hook [[or]] and a magnet for suspending the microporous body from the holding means.

Please revise paragraph [0053] as follows:

~~Figure 14 shows~~Figures 14A and 14B show a storage tank of an embodiment of the present invention.

Please revise paragraph [0063] as follows:

A series of steps of plant transformation shown in ~~Figure 6~~Figures 6A – 6F comprise a step of removably pressing a plurality of microporous bodies into the holding means and dispensing the aqueous nutrition into the tapered recession of the holding means (I), a step of seeding the plant seed on a surface of each of the microporous bodies throughout which the aqueous nutrition has been supplied (II), a step of germinating and growing the plant seed (III), a step of grouping the plant bodies depending upon their growth stages after a predetermined period of time (IV), a step of selecting only a group of plant bodies suitable for transformation (V), and a step of transforming the plant bodies of the selected group by

inverting them together with the holding means so as to be immersed in the carrier solution (VI). Although an embodiment in which the holding means has the tapered recession as described above is shown here, the holding means may have any shape as far as it can hold a plurality of microporous bodies.

Please **revise paragraph [0074]** as follows:

In another embodiment, the holding means used in the present invention may be one which can suspend a plurality of microporous bodies thorough caps equipped with a hook (13) or a magnet (14) as shown in ~~Figure 10~~Figures 10A and 10B.

Please **revise paragraph [0078]** as follows:

In addition, in the present invention, in the case where the plant body is immersed in the carrier solution containing the gene with which the plant body is transformed, the microporous body on which the plant body is germinated and grown in the embodiment as described above may be removed from the holding means, and it may be subjected to transformation by the in planta method by mounting on a slope (22) of a carrier solution tank (70) as shown in ~~Figure 14~~Figures 14A and 14B. A stopping plate (23) is provided on an end of the slope of the carrier solution tank such that the plant body can be immersed in the carrier solution while the microporous body mounted on the slope is stopped at a particular position.